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THE

Thurrock Urban District Council

ANNUAL REPORT

OF THE

Medical Officer of Health

INCLUDING THE REPORT OF THE

Chief Sanitary Inspector

For the Years 1939 and 1940

GRAYS.

JOHN HIGGINS, PRINTNG CONTRACTOR

1942



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URBAN DISTRICT OF THURROCK.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

Medical Officer of Health:

W. T. G. BOUL, M.D., Ch.B., D.P.H.

Deputy Medical Officer of Health:

C. B. HUSS, M.B., B.S. (Lond.), M.R.C.S., L.R.C.P., D.P.H.
(Resigned 31st August, 1939).

J. T. BROWN, M.B., Ch.B., D.P.H.

(Appointed 11th September, 1939).

Assistant Medical Officers of Health:

E. WEATHERHEAD, M.B., B.S.

(Resigned 4th May, 1939).

A. V. KELYNACK, M.D., Ch.B., D.P.H.

(Appointed 4th May, 1939, Resigned 13th March, 1940).

F. G. RICHARDS, M.R.C.S., L.R.C.P., D.R.C.O.G.

(Appointed 1st May, 1941).

C. J. CLOHESSY, M.B., Ch.B., D.P.H., L.M

(Appointed 13th October, 1941).

Medical Superintendent, Isolation Hospital (part time):

J. R. A. TALLACK, M.B., Ch.B.

Matron, Isolation Hospital: Miss E. D. DAVIS (1, 2, 3).

Health Visitors:

Miss R. E. ALLCORN

(Died 28th August, 1939)

„ A. V. COATES (1, 2, 3, 4)

(Resigned 30th April, 1939)

„ E. DARRALL (1, 2, 3, 4)

„ V. FULFORD (1, 2, 3, 4)

(Resigned 14th May, 1941)

„ J. GABRIELSEN (1, 2, 3, 4)

(Appointed 29th November, 1939)

„ I. GIBSON

Mrs. E. M. KING (1, 2, 3, 4)

(Resigned 24th October, 1940)

Miss C. LANCEFIELD (1, 2, 3, 4)

(Appointed 17th March, 1941)

„ E. MARSHALL (1, 2, 3, 4)

„ E. C. MILLER (1, 2, 3, 4)

„ A. POLLEY (1, 2, 3)

Mrs. C. TUCKER, (1, 2, 3, 4)

(Appointed 13th October, 1941)

Miss A. WATERS (1, 2, 3, 4)

(Resigned 2nd October, 1941)

1. General Trained;

2. State Registered;

3. Certified Midwife;

4. New Health Visitors' Certificate

Orthopædic Masseuse (part-time):

Miss M. E. WELLS, C.S.M.M.G. & M.E.

Chief Sanitary Inspector : L. CULLISS (1, 2, 3)
Officer under Rats and Mice Destruction Act, 1919. Inspector under
Shops Acts.

Deputy Chief Sanitary Inspector :
H. A. GOSLING (1, 2, 3)

Sanitary Inspectors :

R. BULL (1, 2, 3)	A. E. NETTING (1, 2)
R. K. DUNNING (1, 2)	E. H. WADHAMS (1, 2, 3)
(Resigned 30th April, 1939)	H.M. Forces. (Appointed 14/6/39)

1. Indicates Certificate, Royal Sanitary Institute; 2. Certificate, Inspection of Meat and other Foods; 3. Certificate, Smoke Inspection.

Chief Clerk : R. C. GILBERT.

Deputy Chief Clerk : R. L. BROWN (*H.M. Forces*).

Clerk, Isolation Hospital : C. M. ANSELL.

Clerical Assistants :

Mrs. D. SAYERS	*Miss I. Crooks
Miss P. SMITHSON	(Appointed July, 1939)
R. THOMPSON (<i>H.M. Forces</i>)	*Miss D. M. DEAR
L. DANSIE (<i>H.M. Forces</i>)	(Appointed October, 1940)
	Miss L. JAMES
	(Civil Defence duties only)

*Temporary staff replacing members in H.M. Forces.

Mortuary Attendant : F. J. COSBY.

All the medical staff hold joint appointments as Assistant County Medical Officers to Essex County Council. The services of the Health Visitors are shared with Essex County Council as School Nurses.

THURROCK URBAN DISTRICT COUNCIL

PUBLIC HEALTH DEPARTMENT,
COUNCIL OFFICES,
GRAYS, ESSEX.

TO THE CHAIRMAN AND MEMBERS OF THE
THURROCK URBAN DISTRICT COUNCIL.

Ladies and Gentlemen,

I beg to present a combined Annual Report for the years ending 31st December, 1939 and 1940, respectively.

This is limited to a summary of essential facts and figures needed for post-war reference, and is by no means a complete record of the Department's activities during the two busiest years in its history. For reasons of security no details whatever of Civil Defence or war-time administration are given, but a comparison of this Report with previous issues will show that all the normal peace-time facilities continued to be provided.

Considerable demands were made upon all the staff for duties outside their normal work, and it will suffice to say that when circumstances required whole-hearted effort, long hours and sleepless nights, every member of the staff gave of his or her best.

I wish to record the invaluable help given by the local medical practitioners. For reasons I cannot make public they co-operated with the Department in ways that often caused serious dislocation of their own work, but in spite of the inconvenience entailed their response was cheerful and immediate. There are many voluntary helpers and organisations who deserve the Council's thanks for services rendered. What they have done I cannot reveal at present, as the same services may have to be operated again before the end of the war, but I feel confident that the Public Health Department will continue to fulfil any task demanded of it.

The support of the Council during two difficult years is gratefully acknowledged.

I am,

Your obedient servant,

W. T. G. BOUL, M.D., CH.B., D.P.H.
Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Land Area (in acres) 40,601

Population—Registrar General's estimates :—

To mid-1939 ... 68,860 To mid-1940 ... 63,900 ~~X 861~~

Number of inhabited houses :—

At 31/12/39 ... 18,617 At 31/12/40 ... 18,274 ~~X 861~~

Product of Id. Rate :—

1939 ... £1,769 3s. 8d. 1940 ... £1,856 4s. 5d.

A summary of the chief industries in the area was given on page 4 of my Report for 1938. No changes of note have occurred except that with the progress of the war unemployment has decreased considerably.

EXTRACTS FROM VITAL STATISTICS.

LIVE BIRTHS.	1939			1940			Total
	M.	F.	Total	M.	F.		
Legitimate	... 606	520	1126	543	515		1058
Illegitimate	... 23	18	41	15	20		35
				1167			1093

Birth Rate per 1000 estimated resident population :—

To mid-1939 ... 16.9 To mid-1940 ... 17.1

STILLBIRTHS.	1939			1940			Total
	M.	F.	Total	M.	F.		
	20	19	39	26	12		38

Rate per 1000 total
(live & still) births 32.3 33.6

DEATHS.

359	273	632	398	320	718
-----	-----	-----	-----	-----	-----

Death Rate per 1,000 estimated resident population :—

To mid-1939 ... 9.2 To mid-1940 ... 11.9

Death Rate corrected

by A.C.F. ... (1.11)	10.2	(1.17) 13.1
----------------------	------	-------------

Deaths from puerperal causes :—

	1939			1940		
	Puerperal Sepsis	Other causes	Total	Puerperal Sepsis	Other causes	Total
Deaths	...	2	2	4	1	6
Rate per 1000 total (live & still) births	1.66	1.66	3.32	0.88	5.30	6.18

Death Rate of Infants under one year of age :—

		1939	1940
All infants per 1000 live births	...	43.5	47.0
Deaths from Cancer (all ages)	...	89	78
Deaths from Measles (all ages)	...	Nil	Nil
Deaths from Whooping Cough (all ages)	2		Nil
Deaths from Diarrhoea (under 2 years)	6		7

Certain classifications of causes of death have been revised by the Registrar General since 1939, but the following extracts may prove of interest.

	1939		1940
Suicide	...	6	Suicide
Other violence	...	36	Road Traffic Accidents
Other defined diseases	...	57	Other violent causes
Ill-defined or not known	2		All other causes

1939.

CAUSES OF DEATH.				Male	Female
ALL CAUSES ...	...	...	...	359	273
1 Typhoid and Paratyphoid fevers	...	...	1	—	—
2 Measles	...	...	—	—	—
3 Scarlet fever	...	...	—	—	—
4 Whooping cough	...	...	—	2	—
5 Diphtheria	...	...	—	1	—
6 Influenza	...	...	7	2	—
7 Encephalitis lethargica	...	...	—	—	—
8 Cerebro-spinal fever	...	...	—	—	—
9 Tuberculosis of respiratory system	...	...	18	12	—
10 Other tuberculous diseases...	...	...	6	1	—
11 Syphilis	...	...	2	—	—
12 General Paralysis of the insane, tabes dorsalis	...	...	1	—	—
13 Cancer	...	...	46	43	—
14 Diabetes	...	...	3	4	—
15 Cerebral haemorrhage, &c. ...	...	...	17	16	—
16 Heart disease ...	...	...	76	65	—
17 Aneurysm	...	...	2	4	—
18 Other circulatory diseases ...	...	...	8	10	—
19 Bronchitis	...	...	15	9	—
20 Pneumonia (all forms)	...	...	14	13	—
21 Other respiratory diseases ...	...	...	5	3	—
22 Peptic ulcer	...	...	8	—	—
23 Diarrhoea, &c. (under 2 years)	...	...	6	—	—
24 Appendicitis	...	...	4	1	—
25 Cirrhosis of liver	...	...	—	—	—
26 Other diseases of liver, &c....	...	...	1	1	—
27 Other digestive diseases	...	...	5	6	—
28 Acute and chronic nephritis	...	...	7	5	—
29 Puerperal sepsis	...	...	—	2	—
30 Other puerperal causes	...	...	—	2	—
31 Congenital debility &c. ...	...	...	15	11	—
32 Senility	...	...	26	25	—
33 Suicide	...	...	4	2	—
34 Other violence ...	...	...	29	7	—
35 Other defined diseases	...	...	33	24	—
36 Causes ill-defined or unknown	...	...	—	2	—

		For I.M. Rate		For B. Rate	
		M.	F.	M.	F.
LIVE BIRTHS ...	Legitimate	596	513	606	520
	Illegitimate	23	18	23	18
	Total	619	531	629	538
STILLBIRTHS ...	Legitimate	...	...	19	10
	Illegitimate	...	...	1	—
	Total	...	...	20	10
Deaths of Infants under 1 year	Legitimate	...	...	27	22
	Illegitimate	...	...	—	1
	Total	...	...	27	23

1940.

CAUSES OF DEATH.				Male	Female
ALL CAUSES	...	...	...	398	320
1 Scarlet fever	...	...	...	1	—
2 Diphtheria	...	...	...	2	—
3 Influenza	...	...	...	5	4
4 Cerebro-spinal fever	....	...	...	4	2
5 Tuberculosis of respiratory system	...	...	...	24	10
6 Other tuberculous diseases...	...	...	...	4	2
7 Syphilitic diseases	...	...	...	5	3
8 Diabetes	...	...	...	3	1
9 Heart disease	...	...	...	74	53
10 Bronchitis	...	...	...	19	22
11 Pneumonia	...	...	...	35	27
12 Other respiratory diseases ...	...	...	...	6	7
13 Diarrhoea, &c. (under 2 years)	...	...	...	4	3
14 Appendicitis	...	...	...	—	2
15 Other digestive diseases	...	...	...	5	6
16 Nephritis	...	...	...	9	8
17 Puer. and post-abort. sepsis	...	...	...	—	1
18 Suicide	...	...	...	3	3
19 Other violent causes	...	...	...	36	23
20 Ac. inf. enceph....	...	...	...	—	1
21 Cancer of b., cav. & oesoph. (M) uterus (F)	...	...	...	5	5
22 Cancer of stomach and duodenum	...	...	...	11	5
23 Cancer of breast	...	...	...	—	6
24 Cancer of all other sites	...	...	...	40	16
25 Intra-cran. vasc. lesions	...	...	...	27	29
26 Other dis. of circ. sys.	...	...	...	13	8
27 Ulcer of stomach or duodenum	...	...	...	13	1
28 Other maternal causes	...	...	...	—	6
29 Prem. birth	...	...	...	6	7
30 Con. mal., birth inj., infant dis.	...	...	...	3	12
31 Road Traffic acc.	...	...	...	7	3
32 All other causes	...	...	...	34	34

		For I.M. Rate		For B. Rate	
		M.	F.	M.	F.
LIVE BIRTHS ...	Legitimate	528	500	543	515
	Illegitimate	15	20	15	20
	Total	543	520	558	535
STILLBIRTHS ...	Legitimate	26	11	27	13
	Illegitimate	—	1	—	1
	(Total)	26	12	27	14
Deaths of Infants under 1 year	Legitimate	23	23	—	—
	Illegitimate	2	2	—	—
	Total	25	25	—	—

CLINIC.	ADDRESS.	SESSIONS.	REMARKS.
Maternity and Child Welfare	Aveley—National School ... Bulphan—Balgownie Farm, Lower Dunton Road	Alternate Fridays, 2 p.m. 1st & 3rd Wednesdays, 2 p.m.	Dried Milk, Foods, &c., sold at all sessions.
Chadwell St. Mary— Welfare Centre, River View ... Corringham—Rectory, Church Rd, Grays—Welfare Centre, The Park Horndon—Methodist Church Hall Little Thurrock—Baptist Church Hall, Lodge Lane ...	Every Tuesday & Wednesday, 2 p.m. 1st & 3rd Wednesdays, 2 p.m. Every Tues., Wed. & Thurs., 2 p.m. 1st & 3rd Fridays, 2 p.m.		
Linford—Community House, Bata Shoe Co. Ltd., E. Tilbury ... Orsett—The Institute Purfleet—Welfare Centre,	Every Monday and Thursday, 2 p.m. Every Tuesday, 2 p.m. 2nd and 4th Tuesday, 2 p.m.		
Stanford—St. Margaret's Hall ... South Ockendon—Congregational Church Hall ... Tilbury—S. Chad's Infant School	Alternate Tuesdays, 2 p.m. Every Thursday, 2 p.m.		
West Thurrock—Wouldham Club Hall, London Road ..	Alternate Tuesdays, 2 p.m. Every Monday, Tuesday and Thursday, 1.30 p.m.	Every alternate Thursday afternoon	
Ante-Natal	Grays— Little Thurrock— Stanford— Tilbury— West Thurrock —	See Welfare Centres above.	Every Thursday, 9 a.m. Every Tuesday, 9.15 a.m. Every Monday, 2 p.m. Every Wednesday, 1.45 p.m. Alternate Wednesdays, 9 a.m.
Women's Welfare (Birth Control)	Grays—See above ...		Patients seen only by appointment.
			3rd Friday morning, 10 a.m.

CLINICS AND TREATMENT CENTRES—continued

Orthopaedic (a) Diagnosis	Grays—Glasson House, High Street ...	By Appointment (Tel. 555)	Clinic held jointly by Essex County Council & Thurrock U.D.C.	10
	Grays—See above ...	Tuesdays and Fridays and 5th Wednesday, at 2 p.m.		
Tuberculosis Dispensary	Grays—Glasson Street ...	Every Monday 3 to 5, Tues day 10 to 12, Every Thursday, 10 to 12 noon	Provided by Essex County Council.	
School Clinics	Grays—Glasson Street ... Tilbury—Welfare Centre, St. Chad's School ... Aveley—Council School ... Stanford—Council School ...	Minor Ailments—Daily, 9 a.m. Inspections—Every Wed., 9.30 a.m. Minor Ailments—Tues. & Fri., 9 a.m. Inspections—Friday, 9 a.m. Minor Ailments—Friday, 9 a.m. Minor Ailments—Tues. & Fri., 9 a.m. Inspections—1st Thursday, 9 a.m.	Provided by Essex County Council. Closed during School holidays.	
Eye Clinic	Grays—Glasson Street ...	Every Monday, 9.30 a.m to 1.30 p.m.	Provided by Essex C.C. Closed during School holidays. Refractions by appointment only.	
Dental Clinic	Grays—Welfare Centre, The Park	Monday and Tuesday, 10 a.m. Other sessions as required	Provided by Kent County Council. Essex patients may attend free of charge.	
Venereal Diseases	Gravesend—22 Cobham Street ...	Men—Tuesday, 11 a.m. to 12.45 p.m. —Thursday, 4.45 p.m. to 6.30 p.m. Women—Tuesday, 12.45 to 2.30 p.m. —Thursday, 3 to 4.45 p.m.		
Diphtheria Immunisation Clinic	Grays—Welfare Centre, The Park Tilbury—See Welfare Centre Stanford—See Welfare Centre	Every Friday, 2 p.m. Every Monday, 9.45 a.m. Friday, 2 p.m., as required	Patients seen only by appointment.	

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES
IN THE AREA.

1. (i) PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY.

These are set out at the commencement of this Report.

(ii) (a) LABORATORY FACILITIES.

No change has occurred in the facilities provided under this heading.

(ii) (b) AMBULANCE FACILITIES.

The ambulance facilities in the district are adequate. The Council maintains two infectious diseases ambulances, kept at the I.D. Hospital. Accident and non-infectious cases are dealt with by the St. John Ambulance Brigade, Grays Division, by agreement with the Council. Two vehicles are provided.

(ii) (c) NURSING IN THE HOME.

There are within the district eight Nursing Associations serving South Ockendon, Aveley, Purfleet, West Thurrock, Grays, Stifford, Little Thurrock, Chadwell-St.-Mary, Tilbury, Stanford-le-Hope and Bulphan. In addition, the Grays Medical Comforts Committee continued its useful work during the year.

(ii) (e) HOSPITALS—PUBLIC AND VOLUNTARY.

The following hospitals exist in the Urban District :—

Seamen's Hospital, Tilbury (general and casualty).

Orsett Hospital (E.C.C. and casualty).

Thurrock I.D. Hospital (infectious diseases and casualty).

On the outbreak of war certain alterations of policy and bed allocation were effected at these establishments. The normal peace-time accommodation has been reported upon annually up to 1938. For security reasons it is considered inadvisable to give any detailed facts regarding war-time bed accommodation, operating theatre facilities, special plant, etc., as the Ministry of Health and all other authorities concerned are in possession of full information. It may now be stated that each hospital has treated a number of casualties due to enemy action.

Thurrock I. D. Hospital.

The following tables show the admissions and discharges during 1939 and 1940.

1939.

	In Hospital Jan. 1st	Admitted	Discharged	Deaths	Remaining in Hospital
Scarlet Fever	... 17	166	177	—	6
Diphtheria ...	... 4	50	53	—	1
Streptococcal Infection ...	... 1	21	21	1	—
Pemphigus ...	... —	6	6	—	—
Mother and Baby	... —	3	3	—	—
Erysipelas ...	... —	13	12	1	—
Measles ...	... —	53	53	—	—
Paratyphoid	... —	2	2	—	—
Pneumonia ...	... —	1	1	—	—
Meningitis ...	... —	3	2	1	—
Scabies ...	... —	14	14	—	—
Mumps ...	... —	3	2	—	1
Gastro-Enteritis	... —	2	1	1	—
	22	337	347	4	8

1940.

Scarlet Fever	... 6	58	60	—	4
Diphtheria ...	... 1	60	55	1	5
Streptococcal Infection ...	—	9	7	1	1
Erysipelas ...	... —	7	7	—	—
Measles ...	... —	17	17	—	—
Paratyphoid	... —	17	17	—	—
Pneumonia ...	... —	4	2	1	1
Meningitis ...	... —	23	14	7	2
Scabies ...	... —	6	6	—	—
Mumps ...	... 1	1	2	—	—
Sunstroke ...	... 1	1	1	—	—
Anthrax ...	... —	1	1	—	—
Impetigo ...	... —	3	3	—	—
Dysentery ...	... —	1	1	—	—
Subarachnoid Haemorrhage	—	1	1	—	—
Diarrhoea ...	... —	4	4	—	—
Malaria ...	... —	1	1	—	—
Chicken Pox	... —	1	—	—	1
Enteritis ...	... —	2	1	1	—
Whooping Cough	... —	1	1	—	—
	8	218	201	11	14

AVERAGE NUMBER OF PATIENTS IN HOSPITAL.

		1939		1940
January	...	52	...	8
February	...	55	...	10
March	...	46	...	15
April	...	42	...	11
May	...	58	...	6
June	...	41	...	6
July	...	40	...	12
August	...	43	...	13
September	...	8	...	21
October	...	11	...	18
November	...	12	...	15
December	...	7	...	14

COMPLICATIONS.

	1939.		1940.	
<i>Diphtheria :</i>			<i>Diphtheria :</i>	
Adenitis	...	4	Palatal Paresis	...
Rhinorrhoea	...	4		6
Ottorrhoea	...	5		
Palatal Paresis	...	4		
Myocarditis	...	1		
Pneumonia	...	1		
<i>Scarlet Fever :</i>			<i>Scarlet Fever :</i>	
Adenitis	...	3	Otorrhoea	...
Rhinorrhoea	...	2	Acute Rheumatism	...
Ottorrhoea	...	2		3
Albuminuria	...	1		
Acute Rheumatism	...	2		
<i>Operations :</i>			<i>Operations :</i>	
Mastoids	...	4	Paracentesis	...
Lumbar Punctures	...	3	Lumbar Punctures	...
				25

MILEAGE.

		Miles		Journeys	
		1939	1940	1939	1949
Austin Ambulance	...	1421	1080	238	180
Morris Ambulance	...	1656	1302	276	217
Ford Van	...	9517	8902	1903	1680

3. MATERNITY AND CHILD WELFARE.

(i) *Midwifery and Maternity Services.*

Employed by Thurrock U.D.C.	...	10	midwives
,, ,, Essex County Council	...	1	,
,, ,, Voluntary Nursing Associations	8	,"	

The following details relate to work performed by the Council's midwives :—

		1939	1940
Confinements attended	...	674	672

Visits paid as midwives :—

(a) ante-natal	...	...	2623	2379
(b) post-natal	...	...	6855	6491

Visits paid as maternity nurses :—

(a) ante-natal	...	...	1262	1293
(b) post-natal	...	...	4017	3648

(ii) *Institutional provisions for Mothers and Children.*

The Council has agreements with the following hospitals for the reception of maternity patients :—

- (a) suffering from complications occurring before, during or after confinement, and
- (b) whose home conditions or other circumstances render hospital treatment necessary.

Orsett Hospital.

Oldchurch Hospital Romford.

*Queen Mary's Hospital, Stratford.

Danbury Park War Emergency Hospital.

Rush Green Hospital, Romford (puerperal cases only).

*Agreement terminated on outbreak of war.

Admissions to above hospitals :—

1939—210. 1940—170.

(iii) *Health Visitors.*

The list of the staff at the front of this Report shows the numerous changes in the Health Visiting staff during two years. After the outbreak of war one nurse was transferred temporarily for duty in a reception area, but was released after a few months owing to the necessity for maintaining a complete infant welfare service in the Urban District.

VISITS PAID BY HEALTH VISITORS.

			1939		1940	
			First Visits	Total Visits	First Visits	Total Visits
To expectant mothers	...	...	156	315	160	268
To children under 1 year	...	...	1019	3485	936	3145
To children aged 1-5 years	...	...		4661		3383
Infant Life Protection	...	...		50		19
Miscellaneous	...	...		142		155
				8653		6979

INFANT WELFARE CENTRES, 1939.

Centre	Sessions held	Total Attendances		First Attendances	
		Under 1 year	1-5 years	Under 1 year	1-5 years
Aveley	28	511	400	53
Bulphan	24	57	174	7
Chadwell	99	1343	1823	63
Corringham	23	350	315	35
Coryton (a)	5	11	20	4
Grays	133	3636	2774	242
Horndon	22	146	147	25
Linford (b)	34	454	279	25
Little Thurrock	98	2647	2091	131
Orsett	11	40	73	4
Purfleet	48	744	697	45
Stanford	50	1407	1084	81
South Ockendon	23	402	428	33
Tilbury	106	2769	3084	142
West Thurrock	38	973	613	71
		742	15490	14002	961
					217

(a) Closed at end of May, 1939.

(b) Closed from September, 1939.

1940.

Aveley	....	28	523	249	45
Bulphan	....	23	122	113	11
Chadwell	....	104	1115	1603	51
Corringham	....	24	334	287	16
Grays	....	153	3602	2234	249
Horndon	....	24	128	180	11
Linford (a)	....	22	220	127	18
Little Thurrock	....	103	2330	1733	110
Orsett	....	12	40	54	3
Purfleet	....	50	659	327	37
Stanford	....	50	1240	799	92
South Ockendon	....	24	350	440	30
Tilbury	....	151	1629	1312	137
West Thurrock	....	48	1067	508	52
		861	13359	9966	862
					182

(a) Reopened August, 1940.

ANTE-NATAL CLINICS.

Clinic	Sessions		Total Attendances		New Patients	
	1939	1940	1939	1940	1939	1940
Aveley	0	9	0	78	0	31
Chadwell	2	24	14	176	7	33
Grays	42	51	858	780	198	177
Little Thurrock	43	52	553	453	93	100
Purfleet	4	12	36	65	13	13
Stanford....	43	51	482	451	124	85
Tilbury	39	50	762	727	203	192
West Thurrock	13	24	219	241	58	74
	186	273	2924	2971	696	705

TODDLERS' CLINICS.

Centre	Sessions		Attendances	
	1939	1940	1939	1940
Aveley	2	1	44	18
Chadwell	2	1	40	23
Corringham	2	0	15	0
Grays	6	3	87	47
Little Thurrock	3	2	46	30
Purfleet	2	0	43	0
South Ockendon	0	1	0	23
Stanford	2	0	28	0
Tilbury	8	0	92	0
West Thurrock	1	0	18	0
	28	8	373	141

DEFECTS FOUND.

		1939	1940
Dental carries	...	61	17
Visual	...	10	3
Skin	...	9	3
Tonsils and Adenoids	...	62	17
Orthopaedic	...	51	10
Malnutrition	...	5	0
Ears, Nose and Throat...		15	3
Diseases of Heart	...	3	0
Diseases of Lungs	...	6	1
Miscellaneous	...	56	14

WOMEN'S WELFARE (BIRTH CONTROL) CLINIC.

		1939	1940
Sessions ...	...	9	12
Attendances by patients		95	67
New patients ...		12	16

(iv.) CHILD LIFE PROTECTION.

		1939	1940
Foster Mothers on register at end of year ...		15	9
Infants on register at end of year ...		15	11

(v.) DENTAL TREATMENT: ORTHOPAEDIC TREATMENT.

These facilities have been described fully in previous Reports and no changes have occurred.

1939.

Section C.

SANITARY CIRCUMSTANCES OF THE AREA.

(i.) SANITARY INSPECTION OF THE AREA, 1939.

The following report has been furnished to me by the Chief Sanitary Inspector in accordance with Article 27 (18) of the Sanitary Officers (Outside London) Regulations, 1935.

			Visits paid
Dwelling houses ...	...	...	2717
Houses recorded under Housing Consolidation			
Regulations, 1925 ...	...	...	111
Housing Act—Overcrowding	...	...	140
Infectious Disease ...	...	...	516
Common Lodging Houses	...	...	0
Caravans ...	...	...	119
Factories (Mechanical)	...	...	127
Factories (Non-Mechanical)	...	...	18
Workplaces ...	...	...	43
Cowsheds, Dairies and Milkshops	...	...	224
Fried Fish Shops ...	...	...	41
Butchers' Shops ...	...	...	113
Food Preparation Premises ...	...	...	129
Meat Inspection and Slaughterhouses	...	...	2423
Ice Cream Premises ...	...	...	11
Stables, Pig Styes and Accumulations	...	...	57
Shops Acts ...	...	...	465
Samples ...	...	...	87
Applications for Council Houses...	...	...	481
Schools ...	...	...	5
Rat Suppression ...	...	...	103

	Visits Paid
Smoke Observations
Refuse Tips
Dustbins
Water Supplies
Miscellaneous
Military Camps and Billets

SMOKE ABATEMENT.

In the course of the year four smoke observations were taken, all of which were in respect of emissions of black smoke. Informal representations to the offending firms secured the necessary improvements.

MILK PRODUCTION.

The number of milk producing farms in the district is 56, as against 55 shown in last year's Report, the difference being brought about by the addition of one milk producing farm to the register.

The following improvements were effected at the various farms :—

Floors re-paved ...	...	...	2
Additional lighting provided ...	...	...	2
Cleansings ...	...	...	2

Retail Dairies and Milkshops.

A revision of the registered dairies within the area discloses the fact that there are 24 registered dairies as defined by the Milk and Dairies Order, 1926, and 70 registered persons who retail milk in the sealed receptacle in which it is received at the premises.

Milk Retailers.

Number of retailers licensed to sell :—

(a) Tuberculin Tested Milk	...	...	9
(b) Certified Pasteurised	...	...	0
(c) Accredited Milk ...	...	...	5
(d) Pasteurised ...	...	...	6

Pasteurising Plants.

There are two pasteurising plants within the district. One is a large comprehensive plant in which the apparatus for pre-heating, cleansing, heating and holding is incorporated in the one machine. The capacity is 1000 gallons per hour. The other plant is much smaller and has a capacity of 50 gallons only.

Milk Samples (Ungraded).

Tabulated statement of samples taken :—

Bacterial Count	Bacillus Coli.	No. of Sample
0—50,000	Absent in 10.0	25
50,000—100,000	Absent in 10.0	1
100,000—200,000	Absent in 10.0	0
Over 200,000	Absent in 10.0	0
0—50,000	Present in 10.0	1
50,000—100,000	Present in 10.0	1
100,000—200,000	Present in 10.0	4
Over 200,000	Present in 10.0	0
0—50,000	Present in 100.0	1
50,000—100,000	Present in 100.0	0
100,000—200,000	Present in 100.0	0
Over 200,000	Present in 100.0	3
		<u>36</u>

The majority of unsatisfactory samples were traced to the place of production, one of which was outside this authority's area. Failure to sterilise properly milk utensils was thought to be the predominant reason, and every endeavour has been made to persuade farmers to make full use of sterilising apparatus, and where no such apparatus exists, requests are being made that these should be provided.

Graded Milks (Pasteurised).

The following samples of pasteurised milk were taken with the results as indicated :

Bacteria per C.C.	Phosphatase Test			Satisfactory
	Reaction under 23	Yes	...	
2,000	...	Yes	...	Yes
42,000	...	"	...	"
54,000	...	"	...	"
24,000	...	"	...	"
2,000	...	"	...	"
900	...	"	...	"
1,700	...	"	...	"
1,200	...	"	...	"
76,000	...	"	...	"
18,000	...	"	...	"
18,000	...	"	...	"
5,400	...	"	...	"
2,600	...	"	...	"
1,800	...	"	...	"
240,000	...	"	...	No
240,000	...	"	...	"
300,000	...	"	...	"
250,000	...	"	...	"
140,000	...	No	...	"

With regard to four of the unsatisfactory samples, in view of the fact that the milk was shown to be properly pasteurised (satisfactory Phosphatase Test), it can only be assumed that the high bacterial count was due to failure to cleanse satisfactorily the cooler or receptacles.

In the case of the last remaining sample, it would appear that a temporary breakdown occurred in the plant.

Accredited.

One sample of Accredited Milk was taken during the year, which proved to be satisfactory.

The Essex County Council, the licensing authority, frequently sample milk from Accredited farms, and copies of the bacteriologist's reports are forwarded to this authority in order that the case of any unsatisfactory sample may be investigated at the place of production.

WATER SAMPLES.

Samples were taken from the South Essex Waterworks Company's mains and from wells which were the source of domestic supply within the area, with the following results:—

Date	Premises	Result
23/1/39	... Dwellinghouse	Satisfactory
9/2/39	... Dwellinghouse	Satisfactory
9/3/39	... Dwellinghouse	Satisfactory
13/4/39	... Dwellinghouse	Satisfactory
11/5/39	... Dwellinghouse	Satisfactory
*2/6/39	... Farm	Grossly polluted
*2/6/39	... Farm	Grossly polluted
*2/6/39	... Farm	No undue pollution
8/6/39	... Dwellinghouse	Satisfactory
*6/6/39	... Farm	Sewage pollution
*6/6/39	... Farm	Slight organic pollution
14/7/39	... Dwellinghouse	Satisfactory
15/10/39	... Farm	Suspicious but not unwholesome
16/12/39	... Dwellinghouse	Unfit for domestic use
14/12/39	... Dwellinghouse	Satisfactory

* These were not samples of drinking water, but were taken from ditches used by cattle in order to determine the extent to which pollution had taken place owing to the bursting of one of the Council's sewers and the escape of the contents into the ditches.

† These were samples taken from premises occupied by the Military Authorities.

MEAT INSPECTION.

Carcases Inspected and Condemned.

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number inspected	... 868	2191	201	6588	5426
All diseases, except Tuberculosis. Whole carcases condemned	... ...	—	2	—	4 6
Carcases of which some part or organ was condemned	... 360	612	3	162	240
Percentage of the number inspected affected with disease other than tuberculosis	... 41	28	15	2·5	4·5
Tuberculosis only. Whole carcases condemned	... 1	20	1	—	4
Carcases of which some part or organ was condemned	... 72	360	6	—	582
Percentage of the number inspected affected with tuberculosis	... 8·4	17	3·4	—	10·8

Unsound Meat Surrendered.

Approximately 39,313 lbs. of meat were confiscated, comprising 23 beasts' carcases, 1 calf's carcase, 10 pigs' carcases, 4 sheep's carcases and sundry other parts, viscera, etc.

Miscellaneous Other Foods Surrendered.

Fish	...	...	...	308 lbs.
Rabbits	...	...	...	451 lbs.
Bacon	...	...	...	11 lbs.
Corned Beef	...	...	...	7 lbs.
Tins Liver	...	...	...	50 lbs.
Tin Brisket	...	...	...	6 lbs.

Slaughterhouses.

Number of registered Slaughterhouses	...	2
Number of licensed Slaughterhouses	...	11

These premises are subjected to supervision from the point of view of cleanliness, limewashing, etc.

There is one licensed Knacker's Yard within the district.

Slaughter of Animals Act, 1933.

A register of all licensed slaughtermen, pursuant to Section 10 (1) of the above mentioned Act is kept and the number so licensed is 63.

Legal Proceedings.

Proceedings were taken under Section 1 of the Slaughter of Animals Act, 1933, against the person on whose behalf an animal was slaughtered, such animal being intended for sale for human consumption, and the person by whom the animal was slaughtered, for failure to use a mechanically operated instrument.

The occupier of the slaughterhouse was fined £2 with £1 1s. costs, and a fine of 10/- was imposed upon the servant.

ESSEX COUNTY COUNCIL ACT, 1933—SALE OF ICE CREAM AND SIMILAR COMMODITIES.

Number of premises on register	...	...	96
Number of persons on register	...	...	92

CLOSET ACCOMMODATION.

Number of cesspools now existing in the district	516
Number of pail closets and privies	672
Number of privies abolished	4
Number of pail closets substituted	3
Number of water closets substituted	1

VERMINOUS PREMISES.

Number of houses found to be infested	...	8
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(This does not include houses on the Council's estates which are supervised by the Council's Housing Department as a matter of routine).

Methods employed for freeing infested houses from bed-bugs :

The taking down of all detachable woodwork, firing with a blow-lamp and spraying with a proprietary insecticide.

Methods employed for ensuring the belongings of prospective tenants of Council Houses are free from vermin :—

The belongings of prospective Council House tenants are inspected by the members of the Public Health staff and the circumstances disclosed reported upon to the Housing Department. If vermin are found to be present, the tenant is not accepted until conditions have been remedied. The tenant is usually lent the requisite plant and vermicide by the Public Health Department.

The disinfection of private houses is carried out by the owners or occupiers under the supervision of the Local Authority, whilst the disinfection of Council houses is undertaken by the Housing Department of the Local Authority.

SHOPS ACT, 1934.

Section 10 (1) (a)—Ventilation.

No. of shops at which there was insufficient ventilation ...	0
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Section 10 (1) (b)—Heating.

No. of shops whereat means of providing and maintaining a reasonable temperature were found to be insufficient	32
--	----

The Department continued to apply energetically the provision of this Section. The commonest source of trouble arises in connection with butchers, greengrocers and fishmongers, together with open-fronted shops whatever class of commodity is sold. The latter type of premises is extremely difficult to deal with, and the only permanent solution is the closing in of the shop.

In three instances it was necessary to have recourse to legal proceedings.

"A" Grays Ward—in respect of an open-fronted greengrocer's shop whereat heating had already been provided, but in which, despite several visits, the temperature did not reach 45 degrees Fahrenheit.

The defendant was fined £1.

"B" Grays Ward—in respect of a closed-in butcher's shop whereat heating was provided only in the office cash desk. The temperature of the shop was considerably below 45 degree Fahrenheit.

On the morning that the case was heard, the defendant provided heating in the shop and the Bench adjourned the case *sine die*.

"C" Grays--in respect of a greengrocer's shop provided with a sliding front. The occupier failed to make full use of the sliding front with the result that the temperature on several occasions was found to be below 45 degrees Fahrenheit although heating had been provided in the shop. The case was the subject of considerable legal argument regarding the precise meaning of Section 10, and the wording of the notice. The Bench subsequently dismissed the case.

In many other instances, failure to maintain a reasonable temperature was not occasioned by lack of heating so much as by maintaining open doors and these matters were rectified without recourse to legal proceedings.

Section 10 (2).

No. of shops at which there was insufficient sanitary accommodation	2
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In each case additional sanitary accommodation was provided.

SECTION D.

HOUSING.

1. INSPECTION OF DWELLING HOUSES.

(1) (a) Total number of dwelling-houses inspected for defects (under Public Health and Housing Acts)...	532
(b) Number of inspections made for that purpose ...	2717
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under Housing Consolidation Regulations, 1925 ...	95
(b) Number of inspections made for that purpose ...	III
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	16
(4) Number of dwelling-houses (exclusive of those referred to under the previous sub-head) found not to be in all respects fit for human habitation	516

2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	509
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3. ACTION UNDER STATUTORY POWERS.

(A) <i>Proceedings under Section 9, 10 and 16 of the Housing Act, 1936:—</i>	
(1) Number of dwelling-houses in respect of which notices were served requiring repairs... ...	5
(2) Number of dwelling-houses which were rendered fit after service of formal notices :—	
(a) By Owners	4
(b) By Local Authority in default of Owners ...	Nil
(3) Number of dwelling-houses in respect of which notices were served under the Council's Housing Byelaws	2
(4) Number of dwelling-houses rendered fit as a result thereof	2
(5) Number of Byelaw Notices still outstanding ...	Nil

(B) *Proceedings under Public Health Acts.*

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	...	...	...	...	10
(2) Number of dwelling-houses in which defects were remedied after service of formal notices:—					
(a) By Owners	...	...	...	...	6
(b) By Local Authority in default of Owners				...	Nil

(C) *Proceedings under Sections 11 and 13 of the Housing Act, 1936.*

(1) Number of houses in respect of which Demolition Orders were made	...	...	...	...	I
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders				...	6
(3) Number of houses in respect of which undertakings not to re-let have been accepted			...	...	Nil
(4) Number of houses in respect of which undertakings to render fit were accepted	...			...	9

(D) *Proceedings under Section 12 of the Housing Act, 1936.*

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made					Nil
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	...	...	...	...	Nil

Section 25, Housing Act, 1936.

During the year under review, confirmation of the Minister of Health was obtained regarding Clearance Orders made by the Council respecting 39 houses at Grays and 4 houses at East Tilbury. In the former instance an enquiry was held.

During the year, the Council made Clearance Orders in respect of 9 other houses in East Tilbury, but in view of the international developments, the matter has not been proceeded with.

Several other areas have been scheduled for Clearance, but again this matter has been deferred in view of the international developments.

I. FACTORIES AND WORKPLACES.

Inspections made by Sanitary Inspector.

Premises I	Number of		
	Inspec-tions 2	Written Notices 3	Occupiers Prosecuted 4
Factories with Mechanical power	127	5	
Factories without „ „	18		
Other Premises under the Act (including works of building and engineering construction but not including outworkers premises) ...			
	145	5	

2. DEFECTS FOUND
in Factories and Workplaces.

Particulars	Number of Defects			Number of Offences of which Prose- cutions were instituted 5
	Found 2	Reme- died 3	Referred to H.M. Inspector 4	
Want of cleanliness (S. 1) ...	2	2		
Overcrowding (S. 2) ...				
Unreasonable temperature (S. 3)				
Inadequate ventilation (S. 4) ...				
Ineffective drainage of floors (S.6)				
Sanitary Conveniences (S. 7) :—				
Insufficient ...	5	3		
Unsuitable or defective	7	1		
Not separate for sexes				
Other offences ... (Not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921, re-enacted in the Third Schedule of the Factories Act, 1937.)				
Total ...	14	6		

LIST OF WORKS EXECUTED.

Dampness remedied	158
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ROOMS:

Stripped, cleansed and redecorated	316
Plaster repaired	254
Floors repaired	94
Windows repaired, renewed or extended	...	...	...	168
Stoves repaired or renewed ...	...	...	...	66
Doors, locks, &c.	34
Vermin disinfested	11

Ventilated food stores and repairs	81
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STAIRCASES:

Stripped or redecorated	8
Handrails fixed	74
Lighting provided	55
Repairs	...	...	...	24

SANITARY FITMENTS:

New sinks, &c. ...	...	...	...	18
Coppers provided or repaired	...	...	...	25
Pail and earth closets abolished	...	...	...	4
W.C.'s provided or substituted	...	...	...	6
W.C.'s repaired or renewed ...	...	...	...	52
New pedestals	...	...	...	11
Waste-water pipes repaired or renewed...	...	...	...	12
Soil or vent pipes repaired or renewed ...	...	...	...	2

DRAINS:

Unstopped or repaired	...	...	...	26
New drains	...	...	...	7
Gullies repaired or renewed ...	...	...	...	18
Inspection Chambers repaired or provided	...	...	...	5

WATER SUPPLIES AND FITTINGS:

New services ...	...	...	...	5
Repaired or renewed	...	...	...	7

EXTERNAL WORKS:

Roofs repaired or renewed ...	...	...	96
Gutters and rainwater pipes repaired or renewed ...	...	...	57
Walls repaired or renewed ...	...	...	50
Yards repaired or paved ...	...	...	35
Dustbins provided ...	...	...	131
Accumulations removed ...	...	...	5
Miscellaneous ...	...	...	111

SECTION 109, ESSEX COUNTY COUNCIL ACT, 1933.

MOVEABLE DWELLINGS.

It will be remembered that in my Report for 1938 I mentioned that a rigid application of Section 109 of the Essex County Council Act, 1933, had resulted in most of the caravans in this area being removed. One case was dealt with during the year under review, that of a caravan dweller in Portsea Road, West Tilbury, who appealed against the Council's decision to refuse permission to allow him to occupy a moveable dwelling. The case was adjourned pending an undertaking by the defendant to vacate the site within six months. This undertaking was observed.

HOUSING ACT, 1936—OVERCROWDING.

The number of dwelling-houses overcrowded at the end of 1938 was 65. During the year under review, 13 cases were abated and three more cases were reported. Hence the number of cases of overcrowding to be dealt with is ten less than last year.

No of dwelling-houses overcrowded at end of year	...	55
No. of families dwelling therein ...	...	56
No. of persons dwelling therein ...	...	466
No. of new cases reported during the year ...	...	3
No. of cases of overcrowding relieved during the year ...	...	13
No. of persons concerned in such cases ...	...	119

REPORT OF THE SHOPS INSPECTOR.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting herewith my report of the action taken in the administration of the various Shop Acts during 1939.

Legislation in Force.

The following Acts and Orders are in operation within the Thurrock Urban District.

The Shops Act, 1912.

The Shops Act, 1913.

The Shops (Hours of Closing) Act, 1928.

The Shops Act, 1934.

The Shops Act, 1936 (Libraries).

The Retail Meat Dealers Shops (Sunday Closing) Act, 1936.

The Shops (Sunday Trading Restrictions) Act, 1936.

Closing and Half-Holiday Orders.

1. The Grays Thurrock Weekly Half-Holiday (No. 1) Order, 1913.
2. The Grays Thurrock Weekly Half-Holiday (No. 2) Order, 1913.
3. The Grays Thurrock Extension of Weekly Half-Holiday (No. 1) Order, 1913.
4. The Stanford-le-Hope Weekly Half-Holiday Order, 1913.
5. The Stanford-le-Hope Extension of Weekly Half-Holiday (No. 1) Order, 1913.
6. The County of Essex (Shops Exemption) (No. 5) Order, 1913.
7. The County of Essex (Shops Exemption) (No. 7) Order, 1914.
8. The County of Essex (Shops Exemption) (No. 8) Order, 1914.
9. The South Ockendon Weekly Half-Holiday (No. 2) Order, 1914.
10. The South Ockendon Weekly Half-Holiday Order, 1914.
11. The County of Essex (Shops Exemption) (No. 7) Order, 1914.

12. The Grays Thurrock Weekly Half-Holiday (No. 1) Order, 1915.
13. The Tilbury Weekly Half-Holiday (No. 1) Order, 1917.
14. The Grays Thurrock Closing Order, 1917.
15. The Tilbury Hairdressers Closing Order, 1917.
16. The Grays Thurrock Closing Order, 1922.
17. The West Thurrock Tobacconists (Hours of Closing) Order, 1929.
18. The Lambourne and Stifford Tobacconists (Hours of Closing Order), 1929.
19. The Little Thurrock Tobacconists (Hours of Closing) Order, 1930.
20. The Thurrock Urban District Shops (Sunday Trading Restrictions) Act, 1936, Order No. 1.
21. The Brightlingsea, &c., (Sunday Trading) Order, 1938.

Prior to the opening of hostilities, an endeavour had been made to make one comprehensive closing order for hours of closing and weekly half-holidays, but in view of the general situation, this matter has not been proceeded with.

SHOPS ACT, 1912.

No. of premises at which Form 1 was required to be provided 20
 No. of premises at which Form 4 was required to be provided 1

In two cases informal action was taken in regard to complaints for failure to allow a weekly half-holiday.

SHOPS (HOURS OF CLOSING) ACT, 1928.

As a result of complaint and observations, 126 shops were visited and of these it was ascertained that in four instances the shops were open for the sale of goods after the statutory closing hours.

In most cases, warning letters were sent in regard to these offences, but in two instances legal proceedings were instituted.

The results of the various proceedings are tabulated hereunder:

"A" Grays Ward	...	...	fined 10/-
"B" Grays Ward	...	...	,, 10/-

SHOPS ACT, 1934.

No. of premises at which Form E was required to be provided	3
No. of premises at which Form F was required to be provided	16
No. of premises at which Form G was required to be provided	Nil
No. of premises at which Form H was required to be provided	10
No. of premises at which Form K was required to be provided	9
No. of premises at which proper facilities for meals were required	Nil
No. of premises at which proper facilities for washing were required	1

Of the foregoing instances, only one case was the subject of legal proceedings as hereunder :

"A" Tilbury Ward—Failing to keep record of hours worked by a young person Fined 7/6

Two instances of shop-keepers working their assistants in excess of the permitted number of hours were discovered, but in both cases, matters were adjusted satisfactorily by informal action.

SHOPS (SUNDAY TRADING RESTRICTIONS) ACT, 1936.

Visits were made in connection with the administration of this Act, and the following contraventions were noted :

No. of premises at which Form I. was required to be provided	Nil
No. of premises at which Form VII. was required to be provided	4

In each case the omission was remedied after warning letters had been sent.

L. CULLIS.

1940.

Section C.

SANITARY CIRCUMSTANCES OF THE AREA.

(I.) SANITARY INSPECTION OF THE AREA, 1940.

The following report has been furnished to me by the Chief Sanitary Inspector in accordance with Article 27 (18) of the Sanitary Officers (Outside London) Regulations, 1935.

	Visits paid
Dwelling houses	1484
Houses recorded under Housing Consolidation	
Regulations, 1925	72
Applications for Council Houses...	571
Housing Act—Overcrowding	94
Infectious Disease	379
Common Lodging Houses	4
Caravans	14
Factories (Mechanical)	52
Factories (Non-Mechanical)	8
Workplaces	8
Cowsheds, Dairies and Milkshops	216
Fried Fish Shops	32
Butchers' Shops	86
Food Preparation Premises	56
Meat Inspection and Slaughterhouses	646
Refuse tips	2
Stables, Pig Styes and Accumulations	50
Shops Act, 1912	24
Shops Act, 1934	166
Shops Act, 1928	144
Shops Act, 1936	40
Food and Drugs Act	663
Samples	97
Schools	10
Rat Suppression	27
Smoke observations	1
Dustbins	128
Water supplies	9
Miscellaneous	698
Food control	4
Civil Defence	1026
Evacuation	290

SMOKE ABATEMENT.

In the course of the year, one smoke observation was taken, in respect of which no action was deemed necessary.

MILK PRODUCTION.

The number of milk producing farms in the district is 55, as against 56 shown in last year's Report, the difference being brought about by the removal of two milk producing farms from the register and the addition of one.

The following improvements were effected at the various farms :—

Additional lighting provided	...	...	I
Cleansings	...	...	6

Retail Dairies and Milkshops.

A revision of the registered dairies within the area discloses the fact that there are 24 registered dairies as defined by the Milk and Dairies Order, 1926, and 70 registered persons who retail milk in the sealed receptacle in which it is received at the premises.

Milk Retailers.

Number of retailers licensed to sell :—

(a) Tuberculin Tested Milk	...	...	8
(b) Certified Pasteurised	...	...	0
(c) Accredited Milk	...	...	3
(d) Pasteurised	...	...	7

Pasteurising Plants.

There are two pasteurising plants within the district. One is a large comprehensive plant in which the apparatus for pre-heating, cleansing, heating and holding is incorporated in the one machine. The capacity is 1000 gallons per hour. The other plant is much smaller and has a capacity of 50 gallons only, but at the time of compilation of this report the use of this plant had been discontinued.

Milk Samples (Ungraded).

Tabulated statement of samples taken :—

Bacterial Count	Bacillus Coli.	No. of Samples
0—50,000	Absent in 0.01	21
50,000—100,000	Absent in 0.01	1
100,000—200,000	Absent in 0.01	2
Over 200,000	Absent in 0.01	3
0—50,000	Present in 0.01	1
50,000—100,000	Present in 0.01	1
100,000—200,000	Present in 0.01	0
Over 200,000	Present in 0.01	3
0—50,000	Present in 0.001	0
50,000—100,000	Present in 0.001	0
100,000—200,000	Present in 0.001	1
Over 200,000	Present in 0.001	11*
		<hr/>
		44

The majority of unsatisfactory samples were traced to the place of production. In the case of three of the samples marked *, it was suggested by the Bacteriologist that the results might not show a proper indication of the cleanliness of the milk owing to the samples being delayed in transit by rail. In the case of six further unsatisfactory samples, the place of production was outside this Council's area and the matter has been taken up with the authority concerned.

Graded Milks (Pasteurised).

The following samples of pasteurised milk were taken with the results as indicated :

Bacteria per C.C.	Phosphatase Test			Satisfactory Yes
	Reaction under 2·3	Yes	...	
60,000	...	Yes	...	Yes
34,000	...	"	...	"
54,000	...	"	...	"
1,800	...	"	...	"
19,000	...	"	...	"
44,000	...	"	...	"
800	...	"	...	"
9,000	...	"	...	"
23,000	...	"	...	"
9,000	...	"	...	"
23,000	...	"	...	"
1,200,000	...	"	...	No
3,000,000	...	"	...	"
400,000	...	"	...	"
440,000	...	"	...	"
420,000	...	"	...	"
480,000	...	"	...	"

With regard to the unsatisfactory samples, in view of the fact that the milk was shown to be properly pasteurised (satisfactory Phosphatase Test), it can only be assumed that the high bacterial count was due to failure to cleanse satisfactorily the cooler or receptacles.

In the case of the first three samples, subsequent sampling showed the milk to be satisfactory whilst in the case of the last three unsatisfactory samples, pasteurisation has now ceased,

WATER SAMPLES.

Samples were taken from the South Essex Waterworks Company's mains and from a well which was the source of domestic supply within the area, with the following results:—

Date	Premises	Result
16/1/40	... Dwellinghouse	Satisfactory
23/1/40	... Dwellinghouse	Satisfactory
13/2/40	... Dwellinghouse	Satisfactory
19/3/40	... Dwellinghouse	Satisfactory
16/4/40	... Dwellinghouse	Satisfactory
10/5/40	... Dwellinghouse	Satisfactory
19/6/40	... Dwellinghouse	Satisfactory
20/6/40	... Troop headqrts.	Satisfactory
20/7/40	... Dwellinghouse	Satisfactory
13/8/40	... Dwellinghouse	Satisfactory
23/11/40	... Dwellinghouse	Satisfactory
4/12/40	... Dwellinghouse	Unsatisfactory
17/12/40	First Aid Depot	Satisfactory

* This sample was taken from premises occupied by the Military Authorities.

MEAT INSPECTION.

Carcases Inspected and Condemned.

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number inspected	... 940	1612	422	9583	1143
All diseases, except Tuberculosis. Whole carcases condemned	... ...	—	6	—	7 2
Carcases of which some part or organ was condemned	... 223	244	1	176	42
Percentage of the number inspected affected with disease other than tuberculosis	23.72 18.61 ...	0.23	1.90	3.84	
Tuberculosis only. Whole carcases condemned	... 1	25	—	—	2
Carcases of which some part or organ was condemned	... 156	523	16	—	80
Percentage of the number inspected affected with tuberculosis	16.70 33.99 3.79 ...	—	—	7.17	

Unsound Meat Surrendered.

Approximately 51,589 lbs. of meat were confiscated, comprising 32 beasts' carcases, 4 pigs' carcases, 7 sheeps' carcases and sundry other parts, viscera, etc.

Miscellaneous Other Foods Surrendered.

Pork	...	...	...	50 lbs.
Fish	...	...	...	192 lbs.
Bacon	...	...	...	436 lbs.
Tin Brisket	...	...	...	4 lbs.
Beef	...	...	...	508 lbs.
Brawn	...	...	...	42 lbs.
Butter	...	...	...	8 lbs.

Slaughterhouses.

Number of registered Slaughterhouses	...	2
Number of licensed Slaughterhouses	...	18

These premises are subjected to supervision from the point of view of cleanliness, limewashing, etc.

There is one licensed Knacker's Yard within the district.

Slaughter of Animals Act, 1933.

A register of all licensed slaughtermen, pursuant to Section 10 (1) of the above mentioned Act is kept and the number so licensed is 43.

ESSEX COUNTY COUNCIL ACT, 1933—SALE OF ICE CREAM AND SIMILAR COMMODITIES.

Number of premises on register	...	...	98
Number of persons on register	...	...	94

CLOSET ACCOMMODATION.

Number of cesspools now existing in the district	516
Number of pail closets and privies	672
Number of privies abolished	0
Number of pail closets substituted	0
Number of water closets substituted	0

VERMINOUS PREMISES.

Number of houses found to be infested	...	5
---------------------------------------	-----	---

(This does not include houses on the Council's estates which are supervised by the Council's Housing Department as a matter of routine).

Methods employed for freeing infested houses from bed-bugs:

The taking down of all detachable woodwork, firing with a blow-lamp and spraying with a proprietary insecticide.

Methods employed for ensuring the belongings of prospective tenants of Council Houses are free from vermin:—

The belongings of prospective Council House tenants are inspected by the members of the Public Health staff and the circumstances disclosed reported upon to the Housing Department. If vermin are found to be present, the tenant is not

accepted until conditions have been remedied. The tenant is usually lent the requisite plant and vermicide is supplied by the Public Health Department.

The disinfestation of private houses is carried out by the owners or occupiers under the supervision of the Local Authority, whilst the disinfestation of Council houses is undertaken by the Housing Department of the Local Authority.

SHOPS ACT, 1934.

Section 10 (1) (a)—Ventilation.

No. of shops at which there was insufficient ventilation	0
--	---

Section 10 (2) (b)—Heating.

No. of shops whereat means of providing and maintaining a reasonable temperature were found to be insufficient	0
--	---

Section 10 (2).

No. of shops at which there was insufficient sanitary accommodation	0
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SECTION D.

HOUSING.

1. INSPECTION OF DWELLING HOUSES.

(1) (a) Total number of dwelling-houses inspected for defects (under Public Health and Housing Acts)...	349
(b) Number of inspections made for that purpose ...	1484
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under Housing Consolidation Regulations, 1925 ...	14
(b) Number of inspections made for that purpose ...	72
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	I
(4) Number of dwelling-houses (exclusive of those referred to under the previous sub-head) found not to be in all respects fit for human habitation	302

2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	234
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3. ACTION UNDER STATUTORY PROCEDURE.

(A) *Proceedings under Section 9, 10 and 16 of the Housing Act, 1936 :—*

(1) Number of dwelling-houses in respect of which notices were served requiring repairs...	3
(2) Number of dwelling-houses which were rendered fit after service of formal notices :—	
(a) By Owners	I
(b) By Local Authority in default of Owners ...	Nil
(3) Number of dwelling-houses in respect of which notices were served under the Council's Housing Byelaws	2
(4) Number of dwelling-houses rendered fit as a result thereof...	Nil
(5) Number of Byelaw Notices still outstanding ...	36

(B) *Proceedings under Public Health Acts.*

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	...	...	...	...	I4
(2) Number of dwelling-houses in which defects were remedied after service of formal notices: -					
(a) By Owners	...	...	...	...	5
(b) By Local Authority in default of Owners			...		Nil

(C) *Proceedings under Sections 11 and 13 of the Housing Act, 1936.*

(1) Number of houses in respect of which Demolition Orders were made	...	...	...	...	4
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders		...	...		Nil
(3) Number of houses in respect of which undertakings not to re-let have been accepted	...	...	...	...	2
(4) Number of houses in respect of which undertakings to render fit were accepted	...	...	...	...	Nil

(D) *Proceedings under Section 12 of the Housing Act, 1936.*

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made					Nil
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	...	...	...	...	Nil

I. FACTORIES AND WORKPLACES.
Inspections made by Sanitary Inspector.

Premises I	Number of		
	Inspec- tions 2	Written Notices 3	Occupiers Prosecuted 4
Factories with Mechanical power	52	4	
Factories without „ „	8		
Other Premises under the Act (including works of building and engineering construction but not including outworkers premises) ...	...	
	60	4	

2. DEFECTS FOUND
in Factories and Workplaces.

Particulars	Number of Defects			Number of Offences of which Prose- cutions were instituted 5
	Found 2	Reme- died 3	Referred to H.M. Inspector 4	
Want of cleanliness (S. 1) ...	4	2		
Overcrowding (S. 2) ...				
Unreasonable temperature (S. 3)				
Inadequate ventilation (S. 4) ...				
Ineffective drainage of floors (S.6)				
Sanitary Conveniences (S. 7) :—				
Insufficient ...				
Unsuitable or defective				
Not separate for sexes				
Other offences	2	2		
(Not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921, re-enacted in the Third Schedule of the Factories Act, 1937.)				
Total ...	6	4		

LIST OF WORKS EXECUTED.

Dampness remedied	I31
-----------------------	-----	-----	-----	-----

ROOMS:

Stripped ...	...	...	...	I48
Plaster repaired ...	...	...	...	I52
Floors repaired ...	...	...	...	36
Windows repaired, renewed or extended			...	79
Stoves repaired or renewed ...	...	...	...	38
Doors, locks, &c.	...	...	...	39
Vermin disinfested	...	...	...	I4

Ventilated food stores and repairs	29
------------------------------------	-----	-----	-----	----

STAIRCASES:

Stripped and redecorated ...	...	...	...	I6
Handrails fixed ...	...	...	...	22
Lighting provided ...	...	...	...	I7
Repairs ...	...	...	...	66

SANITARY FITMENTS:

New sinks, &c. ...	...	...	...	7
Coppers provided or repaired	...	...	...	I3
Pail and earth closets abolished	...	...	...	0
W.C.'s provided or substituted	...	...	...	0
W.C.'s repaired or renewed ...	...	...	...	41
New pedestals ...	...	...	...	I
Waste-water pipes repaired or renewed...	...	...	...	I9
Soil or vent pipes repaired or renewed ...	...	...	...	6

DRAINS:

Unstopped or repaired ...	...	...	...	33
New drains ...	...	...	...	I
Gullies repaired or renewed ...	...	...	...	7
Inspection Chambers repaired or provided	...	...	...	8

WATER SUPPLIES AND FITTINGS:

New services ...	...	...	...	6
Repaired or renewed ...	...	...	...	8

EXTERNAL WORKS:

Roofs repaired or renewed ...	...	...	73
Gutters and rainwater pipes repaired or renewed ...	...	...	54
Walls repaired or renewed ...	...	...	28
Yards repaired or paved ...	...	...	24
Dustbins provided ...	...	...	57
Accumulations removed ...	...	...	0
Miscellaneous ...	...	...	46

HOUSING ACT, 1936—OVERCROWDING.

The number of dwelling-houses overcrowded at the end of 1939 was 55. During the year under review, 9 cases were abated and 9 cases reported. Hence the number of cases of overcrowding to be dealt with is still 55.

No of dwelling-houses overcrowded at end of year	...	55
No. of families dwelling therein ...	...	56
No. of persons dwelling therein ...	...	466
No. of new cases reported during the year ...	...	9
No. of cases of overcrowding relieved during the year ...	...	9
No. of persons concerned in such cases ...	...	63

FOOD AND DRUGS ACT, 1938.

Sampling.

The following samples have been taken and submitted to the Public Analyst during the year under review.

Article	Informal Samples	Formal Samples	Genuine	Not Genuine
Arrowroot	I	...	I	...
Aspirin	...	I	I	...
Baked beans	...	3	3	...
Baking powder	I	2	3	...
Black pudding	...	I	I	...
Boiled sweets	...	4	4	...
Boracic Ointment	...	I	I	...
Brawn	...	4	4	...
Bread	...	3	3	...
Breakfast Sausage	...	3	3	...
Butter	4	3	7	...
Butter beans	...	I	I	...
Cake	...	3	3	...
Cake mixture	...	2	2	...
Camphorated Oil	...	3	3	...
Candied peel	...	I	I	...
Castor oil	...	2	2	...
Cheese	...	3	3	...
Cocoa	2	2	4	...
Cod liver oil	I	...	I	...
Coffee	I	I	2	...
Coffee essence	...	I	I	...
Condensed milk	I	...	I	...
Cornflour	...	I	I	...
Currants	...	I	I	...
Custard powder	...	4	4	...
Dates	...	I	I	...
Dried apricots	...	2	2	...
Drinking chocolate	...	I	I	...
Egg powder	...	I	I	...
Faggots	...	I	I	...
Flour	I	5	6	...
Glauber's salt	...	I	I	...
Ground almonds	I	I	2	...
Ground ginger	...	I	I	...
Ground mixed spice	...	I	I	...
Ham	...	I	I	...
Jelly	...	I	I	...
Jam	I	2	3	...

Article	Informal Samples	Formal Samples	Genuine	Not Genuine
Lard	...	3	3	...
Lemonade	...	1	1	...
Lemon curd	...	1	1	...
Macaroni	...	1	1	...
Margarine	1	6	7	...
Marmalade	...	1	1	...
Mincemeat	...	1	1	...
Mustard	1	...	1	...
New milk	...	51	41	10
Oatmeal	...	2	2	...
Olive oil	...	3	3	...
Parrishs' chemical food	...	1	1	...
Paste	1	4	5	...
Pearl barley	...	2	2	...
Pepper	1	4	5	...
Pickles	...	3	3	...
Rice	...	1	1	...
Salmon	...	1	1	...
Sausages	1	11	11	1
Sultanas	...	1	1	...
Tapioca	...	2	2	...
Tea	...	5	5	...
Tincture of quinine	...	1	1	...
Tinned fruit	...	2	2	...
Tinned peas	...	3	3	...
Tomato ketchup	...	1	1	...
Vinegar	...	5	5	...
Yeast	...	1	1	...

Action Taken.

In the case of the ten samples of milk which proved to be not genuine, the facts are as follows :—

- (a) In four cases legal proceedings were taken resulting in fines totalling £2 14s. od.
- (b) In one case the summons was dismissed.
- (c) In two cases the summons was withdrawn on payment of costs by the defendant.
- (d) In three instances warning letters were sent.

The remaining sample shown to be not genuine related to sausages which contained preservative without a notice being exhibited in the shop to this effect. A letter of warning was sent.

REPORT OF THE SHOPS INSPECTOR.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting herewith my report of the action taken in the administration of the various Shops Acts during 1940.

Legislation in Force.

The following Acts and Orders are in operation within the Thurrock Urban District.

The Shops Act, 1912.

The Shops Act, 1913.

The Shops (Hours of Closing) Act, 1928.

The Shops Act, 1934.

The Shops Act, 1936 (Libraries).

The Retail Meat Dealers Shops (Sunday Closing) Act, 1936.

The Shops (Sunday Trading Restrictions) Act, 1936.

Closing and Half-Holiday Orders.

1. The Grays Thurrock Weekly Half-Holiday (No. 1) Order, 1913.
2. The Grays Thurrock Weekly Half-Holiday (No. 2) Order, 1913.
3. The Grays Thurrock Extension of Weekly Half-Holiday (No. 1) Order, 1913.
4. The Stanford-le-Hope Weekly Half-Holiday Order, 1913.
5. The Stanford-le-Hope Extension of Weekly Half-Holiday (No. 1) Order, 1913.
6. The County of Essex (Shops Exemption) (No. 5) Order, 1913.
7. The County of Essex (Shops Exemption) (No. 7) Order, 1914.
8. The County of Essex (Shops Exemption) (No. 8) Order, 1914.
9. The South Ockendon Weekly Half-Holiday (No. 2) Order, 1914.
10. The South Ockendon Weekly Half-Holiday Order, 1914.
11. The County of Essex (Shops Exemption) (No. 7) Order, 1914.

12. The Grays Thurrock Weekly Half-Holiday (No. 1) Order, 1915.
 13. The Tilbury Weekly Half-Holiday (No. 1) Order, 1917.
 14. The Tilbury Hairdressers Closing Order, 1917.
 15. The Grays Thurrock Closing Order, 1917.
 16. The Grays Thurrock Closing Order, 1922.
 17. The West Thurrock Tobacconists (Hours of Closing) Order, 1929.
 18. The Lambourne and Stifford Tobacconists (Hours of Closing Order), 1929.
 19. The Little Thurrock Tobacconists (Hours of Closing) Order, 1930.
 20. The Thurrock Urban District Shops (Sunday Trading Restrictions) Act, 1936, Order No. 1.
 21. The Brightlingsea, &c., (Sunday Trading) Order, 1938.

SHOPS ACT, 1912.

No. of premises at which Form 1 was required to be provided 11
No. of premises at which Form 4 was required to be provided 1

SHOPS (HOURS OF CLOSING) ACT, 1928.

As a result of complaint and observations, 98 shops were visited and of these it was ascertained that in 15 instances the shops were open for the sale of goods after the statutory closing hours. In each case a letter of warning was sent.

SHOPS ACT, 1934.

No. of premises at which Form E was required to be provided	4
No. of premises at which Form F was required to be provided	7
No. of premises at which Form G was required to be provided	Nil
No. of premises at which Form H was required to be provided	12
No. of premises at which Form K was required to be provided	8
No. of premises at which proper facilities for meals were required	1
No. of premises at which proper facilities for washing	
	were required
	Nil

Of the foregoing instances, only one case was the subject of legal proceedings as hereunder :

"A" Tilbury Ward—Failing to keep record of hours worked by a young person Fined 5/-

One instance of a shop-keeper working his assistant in excess of the permitted number of hours was discovered, and legal proceedings were instituted as under :

"A" Tilbury Ward—Working an assistant in excess of 44 hours per week Fined 10/-

SHOPS (SUNDAY TRADING RESTRICTIONS) ACT, 1936.

Visits were made in connection with the administration of this Act, and the following contraventions were noted :

No. of premises at which Form I. was required to be provided 4
No. of premises at which Form VII. was required to be provided 9

Of the foregoing instances, two cases were the subject of legal proceedings as under :

"A" Tilbury Ward—Failing to keep Form VII. ... Fined 10/-
"B" Tilbury Ward—Failing to keep Form VII. ... Fined 10/-

Two cases of shop-keepers failing to allow their assistants compensatory holidays for Sunday work were discovered, and legal proceedings were instituted as under :

"A" Tilbury Ward	...	Fined 10/-
"B" Tilbury Ward	...	Fined 10/-

L. CULLISS.

*Section F.*PREVALENCE OF, AND CONTROL OVER, INFECTIOUS
AND OTHER DISEASES.

NOTIFIABLE DISEASES, 1939-1940.

DISEASES	Notified		Hospital		Deaths	
	1939	1940	1939	1940	1939	1940
Scarlet Fever ...	183 (2)	55 (1)	163 (2)	43 (1)	—	1
Diphtheria ...	59 (13)	42 (1)	58 (13)	40 (1)	1	2
Enteric Fever (including Paratyphoid) ...	3 (2)	16 (2)	3	16 (2)	1	—
Puerperal Pyrexia ...	17	8	9	8	—	—
Pneumonia ...	44	35	—	7	11	6
Acute Poliomyelitis ...	1	—	1	—	—	—
Erysipelas ...	15	5	12	5	—	—
Pemphigus Neonatorum ...	11	—	6	—	—	—
Ophthalmia Neonatorum ...	—	1	—	—	—	—
Dysentery ...	—	1	—	1	—	—
Malaria ...	—	*7	—	7	—	—
Cerebro-spinal Fever ...	—	7 (4)	—	7 (4)	—	2
Measles ...	—	26	—	7	—	—
	333	203	252	141	13	11

NOTE : Figures enclosed () indicate diagnosis not confirmed.

*Contracted abroad.

AGE GROUPS, 1939.

AGE GROUPS, 1940.

DISEASE	Under 1 year	1-2 yrs.	2-3 yrs.	3-4 yrs.	4-5 yrs.	5-10 yrs.	10-15 yrs.	15-20 yrs.	20-35 yrs.	35-45 yrs.	45-65 yrs.	65 yrs. up.	Total
Scarlet Fever	3	4	4	21	11	7(1)	4	1	...	...	55
Diphtheria	...	2	4	1	4	3	14	3	4(1)	5	2	...	42
Enteric Fever (inc. Paratyphoid)	1	...	1	3(2)	3	5	2	1	16
Puerperal Pyrexia	7	1	...	8
Pneumonia	...	1	1	1	1	...	1	...	2	11	5	10	35
Erysipelas	...	1	...	...	...	...	...	...	...	2	...	2	5
Ophthalmia Neonatorum	...	1	...	...	...	...	...	...	...	...	...	...	1
Dysentery	1	...	...	1
Malaria	4	1	2
Cerebro-Spinal Fever	1	...	...	2(2)	3(2)	...	7
Measles	...	1	2	1	...	4	12	2	3	3	3	...	28

Diphtheria Immunisation Clinics :

		1939		1940	
		Under 5 years	Over 5 years	Under 5 years	Over 5 years
Sessions held	...	...	23	24	
Total attendances	..	271	553	235	475
New cases treated	...	56	121	83	98

Cases receiving primary Schick Test :

(a) Positive	...	...	2	14	4	14
(b) Negative	...	...	1	15	0	8

Cases receiving second Schick Test :

(a) Positive	...	...	3	9	2	9
(b) Negative	...	...	47	97	41	83
Immunity Certificates issued	...	47	97	41	83	

T.A.F. and A.P.T. (B.W. and Co.) are used at these Clinics. No use has been made of measles serum for prophylaxis or attenuation.

Public Health (Prevention of Tuberculosis) Regulations, 1925.

Public Health Act, 1936, Section 172.

No action was taken under the above headings.

TUBERCULOSIS.
NEW CASES AND MORTALITY.

1939.

Age periods	New Cases				Deaths			
	Respiratory		Non-Resp'ry		Respiratory		Non-Resp'ry	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1	...	...	...	...	...	...	...	...
1- 5 years	1	...	7	5	...	...	4	...
5-15 "	3	...	6	5	...	...	...	...
15-25 "	4	10	3	1	3	6	2	...
25-35 "	3	6	...	3	2	2	...	...
35-45 "	10	4	...	1	3	2	...	...
45-55 "	5	1	...	...	5	1	...	...
55-65 "	5	1	...	1	3	1	...	...
65 " { upwards }	...	...	...	...	1	...	...	...
Totals	31	22	16	16	17	12	6	...

There were no deaths of unnotified cases.

1940.

Under 1	...	...	...	...	...	...	...	...
1- 5 years	...	2	4	4	...	1	1	1*
5-15 "	...	2	7	10	...	2	...	...
15-25 "	3	5	4	1	2	1	...	...
25-35 "	6	4	...	1	6	3	...	1
35-45 "	5	4	...	1	5	2	...	...
45-55 "	5	...	...	...	4	1	...	...
55-65 "	2	...	...	...	9	...	...	...
65 " { upwards }	1	1	1	...	1	1	1	...
Totals	22	18	16	17	27	11	2	2

* Indicates an unnotified case.

